AUDIT REPORT

Hostname:	Access_SW3
Config file name:	access-sw3.txt
Config hash:	17321b09cf96d20cf62fdf0dac157ff4df7be58c
Vendor:	cisco
OS:	ios
Facility layer:	access
L3 protocols:	ipv4,ipv6
Enabled functions:	acl created
Date:	18/05/2020_10:01

SUCCESS STATISTICS

Weighted score coefficient:	88 out of 100
Successful checks:	84.0%
Unsuccessful checks:	16.0%
Total number of relevant started checks:	175
Successful checks:	144
Unsuccessful 'Critical':	12
Unsuccessful 'High':	4
Unsuccessful 'Medium':	11
Unsuccessful 'Low':	1
Unsuccessful 'Notice':	3

Authentication, Authorization, Accounting

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
1	AAA new model/ Enabled AAA	High	False	False	Successful ✔
	Right configuration setting found in: aaa new-model				
2	AAA server set	High	False	False	Successful ✔
	Right configuration setting found in: radius server RADIUS_SERVER address ipv4 192.168.60.11 auth-port 1645 acct-port 1646 key RadKey1				
3	AAA server group	High	False	False	Successful ✔
	Right configuration setting found in: aaa group server radius RADIUS_SERVER server name RADIUS_SERVER				
4	AAA authentication login	High	False	False	Successful ✔
	Right configuration setting found in: aaa authentication login default group RADIUS_SERVER local enable				
5	AAA authentication login fallback	High	False	False	Successful ✔
	Right configuration setting found in: aaa authentication login default group RADIUS_SERVER local enable				

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
6	AAA authentication login only local disabled	High	False	False	Successful ✔
7	AAA authentication login none disabled	Critical	False	False	Successful ✔
8	AAA authentication "enable"	Medium	False	False	Successful ✔

Right configuration setting found in:
aaa authentication enable default group RADIUS_SERVER enable

9	AAA authentication "enable" fallback	Medium	False	False	Successful ✔

Right configuration setting found in:
aaa authentication enable default group RADIUS_SERVER enable

10	AAA authentication "enable" only local disabled	Medium	False	False	Successful ✔
11	AAA authentication "enable" none disabled	High	False	False	Successful ✔
12	AAA authorization "exec"	High	False	False	Successful ✔

Right configuration setting found in:
aaa authorization exec default group RADIUS_SERVER local if-authenticated

13	AAA authorization "exec" fallback	High	False	False	Successful ✔

Right configuration setting found in:
aaa authorization exec default group RADIUS_SERVER local if-authenticated

14	AAA authorization "exec" only local disabled	High	False	False	Successful ✔
15	AAA authorization "exec" none disabled	Critical	False	False	Successful ✔
16	AAA accounting "connection"	High	False	False	Successful ✔

Right configuration setting found in:
aaa accounting connection default start-stop group RADIUS_SERVER

17	AAA auccounting "connection" none disabled	High	False	False	Successful ✔
18	AAA accounting "exec"	High	False	False	Successful ✔

Right configuration setting found in:
aaa accounting exec default start-stop group RADIUS_SERVER

19	AAA accounting "exec" none disabled	High	False	False	Successful ✔
20	AAA source interface	Medium	False	False	Successful ✔

Right configuration setting found in:
ip radius source-interface Loopback0

21	AAA authentication max attempts less or equal to 5	High	False	False	Successful ✔

Access to device

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
1	Exec timeout <=5 minutes	Medium	False	False	Successful ✔

Right configuration setting found in:
line con 0
exec-timeout 5 0
line vty 0 4
exec-timeout 5 0

2	AUX connection input disabled	High	False	False	Successful ✔
3	AUX no execution set	High	False	False	Successful ✔

Right configuration setting found in:
line aux 0
no exec

4	Remote output connections disabled	Medium	False	False	Successful ✔

Right configuration setting found in:
line con 0
transport output none
line aux 0
transport output none
line vty 0 4
transport output none

5	Local user database with encrypted password	Critical	False	False	Successful ✔

Right configuration setting found in:
username admin secret 5 1PPrf$4VwGn/sDgGf9q4H1C8VMv0

6	Local user database with plaintext password disabled	Critical	False	False	Successful ✔
7	Enable password encrypted	Critical	False	False	Successful ✔

Right configuration setting found in:
enable secret 5 1fihR$A/2jfPoa67oq14z8IqC6H0

8	Enable password plaintext disabled	Critical	False	False	Successful ✔
9	Local login to virtual terminal disabled	Critical	False	False	Successful ✔
10	Restrict login to device - IPv4 ACL	Critical	False	False	Successful ✔

Right configuration setting found in:
line vty 0 4
access-class IPV4_VTY_ACL in

11	ACL specified for VTY access is created	Critical	False	False	Error �’

Comment:
Cannot be fixed automatically!

Fix notice:
Cannot be fixed automatically! If search is not successful create ACL, which permits only needed end stations for managing devices with these commands:
ip access-list standard <acl name>
remark Permiting managemnt device
permit <ip address> <wildcard mask>

12	Log login to device on failure	High	False	False	Successful ✔

Right configuration setting found in:
login on-failure log

13	Log login to device on success	Medium	False	False	Successful ✔

Right configuration setting found in:
login on-success log

14	Login quiet mode	Medium	False	False	Successful ✔

Right configuration setting found in:
login quiet-mode access-class IPV4_VTY_ACL

15	ACL exists for specified login quiet mode	Medium	False	False	Error ✗

Comment:
Cannot be fixed automatically!

Fix notice:
Cannot be fixed automatically! If search is not successful create ACL, which permits only needed end stations for managing devices with these commands:
ip access-list standard <acl name>
remark Permiting managemnt device
permit <ip address> <wildcard mask>

16	One user change config at time	High	False	False	Successful ✔

Right configuration setting found in:
configuration mode exclusive

17	Legal banner MOTD	Low	False	False	Successful ✔

Right configuration setting found in:
banner motd ^C Unauthorized access will be prosecuted!! ^C

18	Legal banner exec	Low	False	False	Successful ✔

Right configuration setting found in:
banner exec ^C Unauthorized access will be prosecuted!! ^C
banner login ^C Unauthorized access will be prosecuted!! ^C

19	Legal banner login	Low	False	False	Successful ✔

Right configuration setting found in:
banner login ^C Unauthorized access will be prosecuted!! ^C
banner motd ^C Unauthorized access will be prosecuted!! ^C

20	Session timeout	Medium	False	False	Successful ✔

Right configuration setting found in:
line con 0
session-timeout 30
line aux 0
session-timeout 30
line vty 0 4
session-timeout 30

21	AUX exec timeout one second	High	False	False	Successful ✔

Right configuration setting found in:
line aux 0
exec-timeout 0 1

22	Restrict login to device - IPv6 ACL	Critical	False	False	Successful ✔

Right configuration setting found in:
line vty 0 4
ipv6 access-class IPV6_VTY_ACL in

23	ACL IPv6 specified for VTY access is created	Critical	False	False	Error ✘

Comment:
Cannot be fixed automatically!

Fix notice:
Cannot be fixed automatically! If search is not successful create ACL, which permits only needed end stations for managing devices with these commands:
ipv6 access-list <acl name>
remark Permiting managemnt device
permit ip <ip address> <wildcard mask> any

24	Login DOS block for	High	False	False	Successful ✔

Right configuration setting found in:
login block-for 120 attempts 3 within 30

SSH

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
1	SSH enable on management connection	Critical	False	False	Error ✘

Found error in context(s):
line vty 0 4

Generated fix:
line vty 0 4
transport input ssh

Fix notice:
Make sure RSA key is present - generated or imported. For generating RSA key, issue command:
crypto key generate rsa modulus 2048

2	SSH version 2	Critical	False	False	Error ✘

Generated fix:
ip ssh version 2

3	SSH timeout	Medium	False	False	Error ✘

Generated fix:
ip ssh timeout 30
ip ssh time-out 30

Fix notice:
Just one of fixing command is applicable to device. There are more because of different syntax among IOS versions.

| 4 | SSH max 3 retries | Medium | False | False | Successful ✔ |
| 5 | SSH source interface | High | False | False | Error ✘ |

Generated fix:
ip ssh source-interface Loopback0

| 6 | SSH not default port | High | False | False | Error ✘ |

Generated fix:
ip ssh port 2223 rotary 1

| 7 | SSH not default port applied | High | False | False | Successful ✔ |

Right configuration setting found in:
line vty 0 4
rotary 1

Device identification

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
1	Hostname set	Low	False	False	Successful ✔

Comment:
Cannot be fixed automatically!

Right configuration setting found in:
hostname Access_SW3

| 2 | Domain name set | Low | False | False | Successful ✔ |

Right configuration setting found in:
ip domain-name thesis-test.cz

| 3 | All interfaces have description | Low | False | False | Error ✘ |

Comment:
Cannot be fixed automatically!

Found port(s) with error:
Loopback0
Ethernet0/0
Ethernet0/1
Ethernet0/2
Ethernet0/3
Ethernet1/0
Ethernet1/1
Ethernet1/2
Ethernet1/3
Ethernet2/0
Ethernet2/1
Ethernet2/2
Ethernet2/3
Ethernet3/0
Ethernet3/1
Ethernet3/2
Ethernet3/3
Serial4/0
Serial4/1
Serial4/2
Serial4/3
Serial5/0
Serial5/1
Serial5/2
Serial5/3
Vlan1

Fix notice:
Set interface descrtiption with command:
interface <interface name>
description <description of interface>

Fix ignore comment:
Fixing commands suppressed due to manual need of manual chenage and name determination.

SNMP

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
1	SNMP v2 write disabled	Critical	False	False	Successful ✔
2	SNMP v2 read without ACL disabled	Critical	False	False	Successful ✔
3	SNMP v2 read with ACL disabled	Critical	False	False	Successful ✔
4	SNMP v1 trap host disabled	Critical	False	False	Successful ✔
5	SNMP v2 trap host disabled	Critical	False	False	Successful ✔
6	SNMP v3 read [authnopriv|noauth|authpriv without ACL] or write disabled	Critical	False	False	Error ✘

Error configuration setting found in:
snmp-server group SNMP_V3_GRP v3 auth read READVIEWv3 access SNMP_V3
snmp-server group SNMP_V3_GRP_IPV6 v3 auth read READVIEWv3 access ipv6 SNMP_V3_ACL6

| 7 | SNMP v3 read authpriv with ACL enabled | Critical | False | False | Error ✘ |

Generated fix:
snmp-server group SNMP_V3_GRP v3 priv read READVIEWv3 access SNMP_V3
snmp-server user SNMPv3USER SNMP_V3_GRP v3 auth sha SnmpPasswd123 priv aes 256 SnmpPasswd123 access SNMP_V3

| 8 | SNMP v3 read authpriv with IPv6 ACL enabled | Critical | False | False | Error ✘ |

Generated fix:
snmp-server group SNMP_V3_GRP_IPV6 v3 priv read READVIEWv3 access ipv6 SNMP_V3_ACL6
snmp-server user SNMPv3USER SNMP_V3_GRP_IPV6 v3 auth sha SnmpPasswd123 priv aes 256 SnmpPasswd123 access SNMP_V3_ACL6

| 9 | SNMP user v1\|v2c or v3 [noauth\|authnopriv\|no sha\|no aes\|without ACL] disabled | Critical | False | False | Successful ✔ |
| 10 | SNMP trap source interface | High | False | False | Successful ✔ |

Right configuration setting found in:
snmp-server trap-source Loopback0

| 11 | SNMP server location | High | False | False | Successful ✔ |

Right configuration setting found in:
snmp-server location GNS3LAB

| 12 | SNMP v3 traps priv | Medium | False | False | Error ✘ |

Generated fix:
snmp-server host 192.168.60.11 version 3 priv SNMPv3USER

| 13 | SNMP traps v3 read [authnopriv\|noauth] or v1\|v2 disabled | Critical | False | False | Error ✘ |

Error configuration setting found in:
snmp-server host 192.168.60.11 version 3 auth SNMPv3USER

| 14 | SNMP traps enabled | Medium | False | False | Successful ✔ |

Right configuration setting found in:
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart

| 15 | ACL is created for SNMPv3 | Critical | False | False | Error ✘ |

Comment:
Cannot be fixed automatically!

Fix notice:
Cannot be fixed automatically! If search is not successful create ACL, which permits only needed end stations for receiving SNMP with these commands:
ip access-list standard <acl name>
remark Permiting SNMP
permit <ip address> <wildcard mask>

16	ACL IPv6 is created for SNMPv3	Critical	False	False	Error ✖

Comment:
Cannot be fixed automatically!

Fix notice:
Cannot be fixed automatically! If search is not successful create ACL, which permits only needed end stations for receiving SNMP with these commands:
ipv6 access-list <acl name>
remark Permiting managemnt device
permit ip <ip address> <wildcard mask> any

17	SNMP interface index persist enabled globally	High	False	False	Successful ✔

Right configuration setting found in:
snmp ifmib ifindex persist

18	SNMP interface index persist enabled per interface	High	False	False	Matched by equivalent ✔

Comment:
Module was marked as matched by equivalent by module 05_20_snmp_ifindex_persist_globally.yaml

Syslog

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
1	Syslog server enabled	High	False	False	Successful ✔

Right configuration setting found in:
logging host 192.168.60.11

2	Syslog server IPv6 enabled	High	False	False	Not relevant ✔

Comment:
Module 06_02_syslog_server_ipv6.yaml configured to run after 06_01_syslog_server.yaml with status error but that module has not run yet with specified cmd_match_status, 06_02_syslog_server_ipv6.yaml will not run

3	Syslog source interface	Medium	False	False	Successful ✔

Right configuration setting found in:
logging source-interface Loopback0

4	Syslog format	Medium	False	False	Successful ✔

Right configuration setting found in:
service timestamps log datetime msec

5	Syslog critical alerts to console	Medium	False	False	Successful ✔

Right configuration setting found in:
logging console critical

6	Syslog send informational traps	High	False	False	Successful ✔
7	Syslog buffer set with severity	High	False	False	Successful ✔

Right configuration setting found in:
logging buffered 40960 informational

8	Syslog local backup	High	False	False	Successful ✔

Right configuration setting found in:
logging persistent url unix:/

9	Syslog sequence numbers added	Medium	False	False	Successful ✔

Right configuration setting found in:
service sequence-numbers

NTP

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
1	NTP server set	High	False	False	Successful ✔

Right configuration setting found in:
ntp server 192.168.60.11

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
2	NTP source interface	Medium	False	False	Successful ✔

Right configuration setting found in:
ntp source Loopback0

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
3	NTP authentication key	High	False	False	Successful ✔

Right configuration setting found in:
ntp authentication-key 1 md5 151C1F1C342B38373F37647040 7

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
4	NTP trusted key	High	False	False	Successful ✔

Right configuration setting found in:
ntp trusted-key 1

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
5	NTP authenticate	High	False	False	Successful ✔

Right configuration setting found in:
ntp authenticate

High load

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
1	SNMP traps for CPU load	Medium	False	False	Error ✘

Generated fix:
snmp-server enable traps cpu threshold

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
2	Threshold for CPU load	Medium	False	False	Successful ✔

Right configuration setting found in:
process cpu threshold type total rising 70 interval 5

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
3	Statistics entry for CPU load	Low	False	False	Successful ✔

Right configuration setting found in:
process cpu statistics limit entry-percentage 70

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
4	Reserve memory for critical notification	Medium	False	False	Successful ✔

Right configuration setting found in:
memory reserve critical 1000

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
5	Minimum CPU memory notification	Medium	False	False	Successful ✔

Right configuration setting found in:
memory free low-watermark processor 2000

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
6	Minimum IO memory notification	Medium	False	False	Error ✘

Generated fix:
memory free low-watermark io 2000

Spanning tree

No.	Name	Severity	Skipped	Cannot determine search/fix	Status

| 1 | Portfast globally enabled | High | False | False | Successful ✔ |

Right configuration setting found in:
spanning-tree portfast edge default

| 2 | Portfast enabled on access interface | High | False | False | Matched by equivalent ✔ |

Comment:
Module was marked as matched by equivalent by module 09_01_stp_portfast_default.yaml

| 3 | BPDU Guard globally enabled | Critical | False | False | Successful ✔ |

Right configuration setting found in:
spanning-tree portfast edge bpduguard default

| 4 | BPDU Guard enabled on access interface | High | False | False | Matched by equivalent ✔ |

Comment:
Module was marked as matched by equivalent by module 09_03_stp_bpdu_guard.yaml

| 5 | BPDU Filter globally disabled | Critical | False | False | Successful ✔ |
| 6 | BPDU Filter disabled on access interface | High | False | False | Not relevant ✔ |

Comment:
Module 09_06_stp_bpdu_filter_interface.yaml configured to run after 09_05_stp_bpdu_filter.yaml with status error but that module has not run yet with specified cmd_match_status, 09_06_stp_bpdu_filter_interface.yaml will not run

| 7 | Loop Guard globally enabled | Critical | False | False | Successful ✔ |

Right configuration setting found in:
spanning-tree loopguard default

| 8 | Loop Guard enabled on access interface | High | False | False | Matched by equivalent ✔ |

Comment:
Module was marked as matched by equivalent by module 09_07_stp_loop_guard.yaml

VLAN

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
1	Default Vlan not used	Critical	False	False	Error ✘

Comment:
Cannot be fixed automatically! Cannot automatically determine VLAN assignment to port.

Right configuration setting found in:
interface Ethernet0/1
switchport access vlan 50
interface Ethernet0/2
switchport access vlan 60

Found port(s) with error:
Ethernet0/3
Ethernet1/0
Ethernet1/1
Ethernet1/2
Ethernet1/3
Ethernet2/0
Ethernet2/1
Ethernet2/2
Ethernet2/3
Ethernet3/0
Ethernet3/1
Ethernet3/2
Ethernet3/3

Fix notice:
Eliminate ports with default Vlan by command with Vlan ID different than 1
interface <interface name>
switchport mode access
switchport access vlan <vlan id>

#	Check	Severity	Col3	Col4	Result
2	Management VLAN + SVI set and different than 1	Medium	False	False	Error ✘

Comment:
Cannot be fixed automatically! Cannot automatically set diffrenet IP among SVI(s) a lot of prerequirements must be met as existing VLAN and port assigned to VLAN.

Fix notice:
If successful, it means SVI was found, but it might not be management VLAN!! Management VLAN can be created with command:
interface Vlan <vlan id>
ip address <ip> <mask>
no shutdown

#	Check	Severity	Col3	Col4	Result
3	Management VLAN gateway	Medium	False	False	Error ✘

Comment:
Cannot be fixed automatically! Cannot automatically set default gateway among different switches.

Fix notice:
Default gateway can be set with command:
ip default-gateway <ip address>

#	Check	Severity	Col3	Col4	Result
4	Native vlan different than 1	Critical	False	False	Successful ✔

Right configuration setting found in:
interface Ethernet0/0
switchport trunk native vlan 100

#	Check	Severity	Col3	Col4	Result
5	Specified allowed VLAN on trunk	Critical	False	False	Successful ✔

Right configuration setting found in:
interface Ethernet0/0
switchport trunk allowed vlan 50,60

#	Check	Severity	Col3	Col4	Result
6	Switchport mode dynamic disabled	Critical	False	False	Successful ✔
7	Switchport implicit dynamic disabled	Critical	False	False	Successful ✔

Right configuration setting found in:
interface Ethernet0/1
switchport mode access
interface Ethernet0/2
switchport mode access
interface Ethernet0/3
switchport mode access
interface Ethernet1/0
switchport mode access
interface Ethernet1/1
switchport mode access
interface Ethernet1/2
switchport mode access
interface Ethernet1/3
switchport mode access
interface Ethernet2/0
switchport mode access
interface Ethernet2/1
switchport mode access
interface Ethernet2/2
switchport mode access
interface Ethernet2/3
switchport mode access
interface Ethernet3/0
switchport mode access
interface Ethernet3/1
switchport mode access
interface Ethernet3/2
switchport mode access
interface Ethernet3/3
switchport mode access

#	Check	Severity	Col3	Col4	Result
8	DTP disabled	Critical	False	False	Successful ✔

Right configuration setting found in:
interface Ethernet0/0
switchport nonegotiate
interface Ethernet0/1
switchport nonegotiate
interface Ethernet0/2
switchport nonegotiate
interface Ethernet0/3
switchport nonegotiate
interface Ethernet1/0
switchport nonegotiate
interface Ethernet1/1
switchport nonegotiate
interface Ethernet1/2
switchport nonegotiate
interface Ethernet1/3
switchport nonegotiate
interface Ethernet2/0
switchport nonegotiate
interface Ethernet2/1
switchport nonegotiate
interface Ethernet2/2
switchport nonegotiate
interface Ethernet2/3
switchport nonegotiate
interface Ethernet3/0
switchport nonegotiate
interface Ethernet3/1
switchport nonegotiate
interface Ethernet3/2
switchport nonegotiate
interface Ethernet3/3
switchport nonegotiate

9	VTP disabled	Critical	False	False	Successful ✔

Network Mapping

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
1	CDP globally disabled	Critical	False	False	Successful ✔

Right configuration setting found in:
no cdp run

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
2	CDP disabled on interface(s)	Critical	False	False	Matched by equivalent ✔

Comment:
Module was marked as matched by equivalent by module 11_01_cdp_run_disabled.yaml

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
3	LLDP globally disabled	Critical	False	False	Successful ✔
4	LLDP receive disabled on interface(s)	Critical	False	False	Not relevant ✔

Comment:
Module 11_04_lldp_receive.yaml configured to run after 11_03_lldp_run_disabled.yaml with status error but that module has not run yet with specified cmd_match_status, 11_04_lldp_receive.yaml will not run

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
5	LLDP transmit disabled on interface(s)	Critical	False	False	Not relevant ✔

Comment:
Module 11_05_lldp_transmit.yaml configured to run after 11_03_lldp_run_disabled.yaml with status error but that module has not run yet with specified cmd_match_status, 11_05_lldp_transmit.yaml will not run

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
6	ICMP 224.0.0.1 ping disabled in ACL	Medium	False	False	Successful ✔

Right configuration setting found in:
ip access-list extended DENY_NETWORK_MAP
remark deny ping all nodes
deny icmp any host 224.0.0.1 echo log-input
remark deny host query
deny igmp any any 1 log-input
permit ip any any
remark deny ping all nodes
remark deny host query

7	IGMP Host Query disabled in ACL	Medium	False	False	Successful ✔

Right configuration setting found in:
ip access-list extended DENY_NETWORK_MAP
remark deny ping all nodes
deny icmp any host 224.0.0.1 echo log-input
remark deny host query
deny igmp any any 1 log-input
permit ip any any
remark deny ping all nodes
remark deny host query

8	ICMPv6 ff02::1 ping disabled in ACL	Medium	False	False	Successful ✔

Right configuration setting found in:
ipv6 access-list DENY_NETWORK_MAP_IPV6
remark deny ping all nodes
deny icmp any host FF02::1 echo-request log-input
remark deny mld query
deny icmp any any mld-query log-input
permit ipv6 any any

9	MLD Host Query disabled in ACL	Medium	False	False	Successful ✔

Right configuration setting found in:
ipv6 access-list DENY_NETWORK_MAP_IPV6
remark deny ping all nodes
deny icmp any host FF02::1 echo-request log-input
remark deny mld query
deny icmp any any mld-query log-input
permit ipv6 any any

10	ACL against IPv4 network monitoring applied on interface(s)	Medium	False	False	Successful ✔

Right configuration setting found in:
interface Ethernet0/1
ip access-group DENY_NETWORK_MAP in
interface Ethernet0/2
ip access-group DENY_NETWORK_MAP in
interface Ethernet0/3
ip access-group DENY_NETWORK_MAP in
interface Ethernet1/0
ip access-group DENY_NETWORK_MAP in
interface Ethernet1/1
ip access-group DENY_NETWORK_MAP in
interface Ethernet1/2
ip access-group DENY_NETWORK_MAP in
interface Ethernet1/3
ip access-group DENY_NETWORK_MAP in
interface Ethernet2/0
ip access-group DENY_NETWORK_MAP in
interface Ethernet2/1
ip access-group DENY_NETWORK_MAP in
interface Ethernet2/2
ip access-group DENY_NETWORK_MAP in
interface Ethernet2/3
ip access-group DENY_NETWORK_MAP in
interface Ethernet3/0
ip access-group DENY_NETWORK_MAP in
interface Ethernet3/1
ip access-group DENY_NETWORK_MAP in
interface Ethernet3/2
ip access-group DENY_NETWORK_MAP in
interface Ethernet3/3
ip access-group DENY_NETWORK_MAP in

11	ACL against IPv6 network monitoring applied on interface(s)	Medium	False	False	Error ✘

Found port(s) with error:
Ethernet0/1
Ethernet0/2
Ethernet0/3
Ethernet1/0
Ethernet1/1
Ethernet1/2
Ethernet1/3
Ethernet2/0
Ethernet2/1
Ethernet2/2
Ethernet2/3
Ethernet3/0
Ethernet3/1
Ethernet3/2
Ethernet3/3

Generated fix:
interface Ethernet0/1
ipv6 traffic-filter DENY_NETWORK_MAP_IPV6 in
exit
interface Ethernet0/2
ipv6 traffic-filter DENY_NETWORK_MAP_IPV6 in
exit
interface Ethernet0/3
ipv6 traffic-filter DENY_NETWORK_MAP_IPV6 in
exit
interface Ethernet1/0
ipv6 traffic-filter DENY_NETWORK_MAP_IPV6 in
exit
interface Ethernet1/1
ipv6 traffic-filter DENY_NETWORK_MAP_IPV6 in
exit
interface Ethernet1/2
ipv6 traffic-filter DENY_NETWORK_MAP_IPV6 in
exit
interface Ethernet1/3
ipv6 traffic-filter DENY_NETWORK_MAP_IPV6 in
exit
interface Ethernet2/0
ipv6 traffic-filter DENY_NETWORK_MAP_IPV6 in
exit
interface Ethernet2/1
ipv6 traffic-filter DENY_NETWORK_MAP_IPV6 in
exit
interface Ethernet2/2
ipv6 traffic-filter DENY_NETWORK_MAP_IPV6 in
exit
interface Ethernet2/3
ipv6 traffic-filter DENY_NETWORK_MAP_IPV6 in
exit
interface Ethernet3/0
ipv6 traffic-filter DENY_NETWORK_MAP_IPV6 in
exit
interface Ethernet3/1
ipv6 traffic-filter DENY_NETWORK_MAP_IPV6 in
exit
interface Ethernet3/2
ipv6 traffic-filter DENY_NETWORK_MAP_IPV6 in
exit
interface Ethernet3/3
ipv6 traffic-filter DENY_NETWORK_MAP_IPV6 in
exit

Fix notice:
ACL will be applied to specified ACCESS interface(s). In case of existing ACL on interface in same direction, please set variable fix_cmd_ignore: "true" and append generated ACL from module 11_14_icmpv6_discovery_network to existing ACL to proper place.

Filtering

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
1	ACL filter IPv6 unknown extended header	Critical	False	False	Successful ✔

Right configuration setting found in:
ipv6 access-list IPV6_FRAGMENT_FILTER
remark DENY unknown IPv6 extended headers
deny ipv6 any any log-input undetermined-transport
permit ipv6 any any

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
2	ACL filter IPv6 unknown extended header applied on ACCESS interface	Critical	False	False	Error ✖

Found port(s) with error:
Ethernet0/1
Ethernet0/2
Ethernet0/3
Ethernet1/0
Ethernet1/1
Ethernet1/2
Ethernet1/3
Ethernet2/0
Ethernet2/1
Ethernet2/2
Ethernet2/3
Ethernet3/0
Ethernet3/1
Ethernet3/2
Ethernet3/3

Generated fix:
interface Ethernet0/1
ipv6 traffic-filter IPV6_FRAGMENT_FILTER in
exit
interface Ethernet0/2
ipv6 traffic-filter IPV6_FRAGMENT_FILTER in
exit
interface Ethernet0/3
ipv6 traffic-filter IPV6_FRAGMENT_FILTER in
exit
interface Ethernet1/0
ipv6 traffic-filter IPV6_FRAGMENT_FILTER in
exit
interface Ethernet1/1
ipv6 traffic-filter IPV6_FRAGMENT_FILTER in
exit
interface Ethernet1/2
ipv6 traffic-filter IPV6_FRAGMENT_FILTER in
exit
interface Ethernet1/3
ipv6 traffic-filter IPV6_FRAGMENT_FILTER in
exit
interface Ethernet2/0
ipv6 traffic-filter IPV6_FRAGMENT_FILTER in
exit
interface Ethernet2/1
ipv6 traffic-filter IPV6_FRAGMENT_FILTER in
exit
interface Ethernet2/2
ipv6 traffic-filter IPV6_FRAGMENT_FILTER in
exit
interface Ethernet2/3
ipv6 traffic-filter IPV6_FRAGMENT_FILTER in
exit
interface Ethernet3/0
ipv6 traffic-filter IPV6_FRAGMENT_FILTER in
exit
interface Ethernet3/1
ipv6 traffic-filter IPV6_FRAGMENT_FILTER in
exit
interface Ethernet3/2
ipv6 traffic-filter IPV6_FRAGMENT_FILTER in
exit
interface Ethernet3/3
ipv6 traffic-filter IPV6_FRAGMENT_FILTER in
exit

First Hop Security

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
1	Port security enabled	Critical	False	False	Successful ✔

Right configuration setting found in:
interface Ethernet0/1
switchport port-security
interface Ethernet0/2
switchport port-security
interface Ethernet0/3
switchport port-security
interface Ethernet1/0
switchport port-security
interface Ethernet1/1
switchport port-security
interface Ethernet1/2
switchport port-security
interface Ethernet1/3
switchport port-security
interface Ethernet2/0
switchport port-security
interface Ethernet2/1
switchport port-security
interface Ethernet2/2
switchport port-security
interface Ethernet2/3
switchport port-security
interface Ethernet3/0
switchport port-security
interface Ethernet3/1
switchport port-security
interface Ethernet3/2
switchport port-security
interface Ethernet3/3
switchport port-security

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
2	Port security maximum 1 allowed MAC on port	Critical	False	False	Successful ✔
3	Port security violation shutdown	Critical	False	False	Successful ✔
4	802.1x globally enabled	High	False	False	Successful ✔

Right configuration setting found in:
dot1x system-auth-control

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
5	AAA authentication 802.1x	High	False	False	Successful ✔

Right configuration setting found in:
aaa authentication dot1x default group RADIUS_SERVER

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
6	802.1x enabled on interfaces	High	False	False	Successful ✔

Right configuration setting found in:
interface Ethernet0/1
access-session port-control auto
interface Ethernet0/2
access-session port-control auto
interface Ethernet0/3
access-session port-control auto
interface Ethernet1/0
access-session port-control auto
interface Ethernet1/1
access-session port-control auto
interface Ethernet1/2
access-session port-control auto
interface Ethernet1/3
access-session port-control auto
interface Ethernet2/0
access-session port-control auto
interface Ethernet2/1
access-session port-control auto
interface Ethernet2/2
access-session port-control auto
interface Ethernet2/3
access-session port-control auto
interface Ethernet3/0
access-session port-control auto
interface Ethernet3/1
access-session port-control auto
interface Ethernet3/2
access-session port-control auto
interface Ethernet3/3
access-session port-control auto

7	802.1x enabled on interfaces	High	False	False	Successful ✔
8	802.1x port set authenticator	High	False	False	Successful ✔

Right configuration setting found in:
interface Ethernet0/1
dot1x pae authenticator
interface Ethernet0/2
dot1x pae authenticator
interface Ethernet0/3
dot1x pae authenticator
interface Ethernet1/0
dot1x pae authenticator
interface Ethernet1/1
dot1x pae authenticator
interface Ethernet1/2
dot1x pae authenticator
interface Ethernet1/3
dot1x pae authenticator
interface Ethernet2/0
dot1x pae authenticator
interface Ethernet2/1
dot1x pae authenticator
interface Ethernet2/2
dot1x pae authenticator
interface Ethernet2/3
dot1x pae authenticator
interface Ethernet3/0
dot1x pae authenticator
interface Ethernet3/1
dot1x pae authenticator
interface Ethernet3/2
dot1x pae authenticator
interface Ethernet3/3
dot1x pae authenticator

9	DHCP Snooping globally enabled	Critical	False	False	Successful ✔

Right configuration setting found in:
ip dhcp snooping

10	DHCP Snooping enabled for VLAN(s)	Critical	False	False	Successful ✔

Right configuration setting found in:
ip dhcp snooping vlan 10,20,30,40,50,60

11	DHCP Snooping trust interface(s) set	Critical	False	False	Successful ✔

Right configuration setting found in:
interface Ethernet0/0
ip dhcp snooping trust

12	DHCP Snooping rate limit fo ACCESS interface(s) set	High	False	False	Successful ✔

Right configuration setting found in:
interface Ethernet0/1
ip dhcp snooping limit rate 100
interface Ethernet0/2
ip dhcp snooping limit rate 100
interface Ethernet0/3
ip dhcp snooping limit rate 100
interface Ethernet1/0
ip dhcp snooping limit rate 100
interface Ethernet1/1
ip dhcp snooping limit rate 100
interface Ethernet1/2
ip dhcp snooping limit rate 100
interface Ethernet1/3
ip dhcp snooping limit rate 100
interface Ethernet2/0
ip dhcp snooping limit rate 100
interface Ethernet2/1
ip dhcp snooping limit rate 100
interface Ethernet2/2
ip dhcp snooping limit rate 100
interface Ethernet2/3
ip dhcp snooping limit rate 100
interface Ethernet3/0
ip dhcp snooping limit rate 100
interface Ethernet3/1
ip dhcp snooping limit rate 100
interface Ethernet3/2
ip dhcp snooping limit rate 100
interface Ethernet3/3
ip dhcp snooping limit rate 100

13	IPv6 Unicast Routing enabled	Critical	False	False	Successful ✔

Right configuration setting found in:
ipv6 unicast-routing

14	IPv6 RA Guard host policy defined	Critical	False	False	Successful ✔

Right configuration setting found in:
ipv6 nd raguard policy ipv6_raguard_policy

15	IPv6 RA Guard on ACCESS interface(s)	Critical	False	False	Successful ✔

Right configuration setting found in:
interface Ethernet0/1
ipv6 nd raguard attach-policy ipv6_raguard_policy
interface Ethernet0/2
ipv6 nd raguard attach-policy ipv6_raguard_policy
interface Ethernet0/3
ipv6 nd raguard attach-policy ipv6_raguard_policy
interface Ethernet1/0
ipv6 nd raguard attach-policy ipv6_raguard_policy
interface Ethernet1/1
ipv6 nd raguard attach-policy ipv6_raguard_policy
interface Ethernet1/2
ipv6 nd raguard attach-policy ipv6_raguard_policy
interface Ethernet1/3
ipv6 nd raguard attach-policy ipv6_raguard_policy
interface Ethernet2/0
ipv6 nd raguard attach-policy ipv6_raguard_policy
interface Ethernet2/1
ipv6 nd raguard attach-policy ipv6_raguard_policy
interface Ethernet2/2
ipv6 nd raguard attach-policy ipv6_raguard_policy
interface Ethernet2/3
ipv6 nd raguard attach-policy ipv6_raguard_policy
interface Ethernet3/0
ipv6 nd raguard attach-policy ipv6_raguard_policy
interface Ethernet3/1
ipv6 nd raguard attach-policy ipv6_raguard_policy
interface Ethernet3/2
ipv6 nd raguard attach-policy ipv6_raguard_policy
interface Ethernet3/3
ipv6 nd raguard attach-policy ipv6_raguard_policy

16	DHCPv6 Server policy	Critical	False	False	Successful ✔

Right configuration setting found in:
ipv6 dhcp guard policy dhcpv6_server_policy
device-role server

17	DHCPv6 Client policy	Critical	False	False	Successful ✔

Right configuration setting found in:
ipv6 dhcp guard policy dhcpv6_client_policy

18	DHCPv6 Guard server interface(s) set	Critical	False	False	Successful ✔

Right configuration setting found in:
interface Ethernet0/0
ipv6 dhcp guard attach-policy dhcpv6_server_policy

19	DHCPv6 Guard client interface(s) set	Critical	False	False	Successful ✔

Right configuration setting found in:
interface Ethernet0/1
ipv6 dhcp guard attach-policy dhcpv6_client_policy
interface Ethernet0/2
ipv6 dhcp guard attach-policy dhcpv6_client_policy
interface Ethernet0/3
ipv6 dhcp guard attach-policy dhcpv6_client_policy
interface Ethernet1/0
ipv6 dhcp guard attach-policy dhcpv6_client_policy
interface Ethernet1/1
ipv6 dhcp guard attach-policy dhcpv6_client_policy
interface Ethernet1/2
ipv6 dhcp guard attach-policy dhcpv6_client_policy
interface Ethernet1/3
ipv6 dhcp guard attach-policy dhcpv6_client_policy
interface Ethernet2/0
ipv6 dhcp guard attach-policy dhcpv6_client_policy
interface Ethernet2/1
ipv6 dhcp guard attach-policy dhcpv6_client_policy
interface Ethernet2/2
ipv6 dhcp guard attach-policy dhcpv6_client_policy
interface Ethernet2/3
ipv6 dhcp guard attach-policy dhcpv6_client_policy
interface Ethernet3/0
ipv6 dhcp guard attach-policy dhcpv6_client_policy
interface Ethernet3/1
ipv6 dhcp guard attach-policy dhcpv6_client_policy
interface Ethernet3/2
ipv6 dhcp guard attach-policy dhcpv6_client_policy
interface Ethernet3/3
ipv6 dhcp guard attach-policy dhcpv6_client_policy

20	Dynamic ARP Inspection enabled for VLAN(s)	Critical	False	False	Successful ✔

Right configuration setting found in:
ip arp inspection vlan 10,20,30,40,50,60

21	Dynamic ARP Inspection validate by SRC,DST MAC and IP	Critical	False	False	Successful ✔

Right configuration setting found in:
ip arp inspection validate src-mac dst-mac ip

22	Dynamic ARP trusted interface(s) set	Critical	False	False	Successful ✔

Right configuration setting found in:
interface Ethernet0/0
ip arp inspection trust

23	IPv6 ND inspection policy	Critical	False	False	Successful ✔

Right configuration setting found in:
ipv6 nd inspection policy ipv6_nd_inspection_policy
tracking enable

24	IPv6 ND inspection on interface(s) set	Critical	False	False	Successful ✔

Right configuration setting found in:
interface Ethernet0/1
ipv6 nd inspection attach-policy ipv6_nd_inspection_policy
interface Ethernet0/2
ipv6 nd inspection attach-policy ipv6_nd_inspection_policy
interface Ethernet0/3
ipv6 nd inspection attach-policy ipv6_nd_inspection_policy
interface Ethernet1/0
ipv6 nd inspection attach-policy ipv6_nd_inspection_policy
interface Ethernet1/1
ipv6 nd inspection attach-policy ipv6_nd_inspection_policy
interface Ethernet1/2
ipv6 nd inspection attach-policy ipv6_nd_inspection_policy
interface Ethernet1/3
ipv6 nd inspection attach-policy ipv6_nd_inspection_policy
interface Ethernet2/0
ipv6 nd inspection attach-policy ipv6_nd_inspection_policy
interface Ethernet2/1
ipv6 nd inspection attach-policy ipv6_nd_inspection_policy
interface Ethernet2/2
ipv6 nd inspection attach-policy ipv6_nd_inspection_policy
interface Ethernet2/3
ipv6 nd inspection attach-policy ipv6_nd_inspection_policy
interface Ethernet3/0
ipv6 nd inspection attach-policy ipv6_nd_inspection_policy
interface Ethernet3/1
ipv6 nd inspection attach-policy ipv6_nd_inspection_policy
interface Ethernet3/2
ipv6 nd inspection attach-policy ipv6_nd_inspection_policy
interface Ethernet3/3
ipv6 nd inspection attach-policy ipv6_nd_inspection_policy

| 25 | IPv6 Snooping policy | Critical | False | False | Successful ✔ |

Right configuration setting found in:
ipv6 snooping policy ipv6_snooping_policy
security-level glean

| 26 | IPv6 Snooping on interface(s) set | Critical | False | False | Successful ✔ |

Right configuration setting found in:
interface Ethernet0/0
ipv6 snooping attach-policy ipv6_snooping_policy
interface Ethernet0/1
ipv6 snooping attach-policy ipv6_snooping_policy
interface Ethernet0/2
ipv6 snooping attach-policy ipv6_snooping_policy
interface Ethernet0/3
ipv6 snooping attach-policy ipv6_snooping_policy
interface Ethernet1/0
ipv6 snooping attach-policy ipv6_snooping_policy
interface Ethernet1/1
ipv6 snooping attach-policy ipv6_snooping_policy
interface Ethernet1/2
ipv6 snooping attach-policy ipv6_snooping_policy
interface Ethernet1/3
ipv6 snooping attach-policy ipv6_snooping_policy
interface Ethernet2/0
ipv6 snooping attach-policy ipv6_snooping_policy
interface Ethernet2/1
ipv6 snooping attach-policy ipv6_snooping_policy
interface Ethernet2/2
ipv6 snooping attach-policy ipv6_snooping_policy
interface Ethernet2/3
ipv6 snooping attach-policy ipv6_snooping_policy
interface Ethernet3/0
ipv6 snooping attach-policy ipv6_snooping_policy
interface Ethernet3/1
ipv6 snooping attach-policy ipv6_snooping_policy
interface Ethernet3/2
ipv6 snooping attach-policy ipv6_snooping_policy
interface Ethernet3/3
ipv6 snooping attach-policy ipv6_snooping_policy

| 27 | IP Source Guard on interface(s) set | Critical | False | False | Successful ✔ |

Right configuration setting found in:
interface Ethernet0/1
ip verify source port-security
interface Ethernet0/2
ip verify source port-security
interface Ethernet0/3
ip verify source port-security
interface Ethernet1/0
ip verify source port-security
interface Ethernet1/1
ip verify source port-security
interface Ethernet1/2
ip verify source port-security
interface Ethernet1/3
ip verify source port-security
interface Ethernet2/0
ip verify source port-security
interface Ethernet2/1
ip verify source port-security
interface Ethernet2/2
ip verify source port-security
interface Ethernet2/3
ip verify source port-security
interface Ethernet3/0
ip verify source port-security
interface Ethernet3/1
ip verify source port-security
interface Ethernet3/2
ip verify source port-security
interface Ethernet3/3
ip verify source port-security

28	IPv6 Source Guard policy	Critical	False	False	Successful ✔

Right configuration setting found in:
ipv6 source-guard policy ipv6_source_guard_policy

29	IPv6 Source Guard on interface(s) set	Critical	False	False	Successful ✔

Right configuration setting found in:
interface Ethernet0/1
ipv6 source-guard attach-policy ipv6_source_guard_policy
interface Ethernet0/2
ipv6 source-guard attach-policy ipv6_source_guard_policy
interface Ethernet0/3
ipv6 source-guard attach-policy ipv6_source_guard_policy
interface Ethernet1/0
ipv6 source-guard attach-policy ipv6_source_guard_policy
interface Ethernet1/1
ipv6 source-guard attach-policy ipv6_source_guard_policy
interface Ethernet1/2
ipv6 source-guard attach-policy ipv6_source_guard_policy
interface Ethernet1/3
ipv6 source-guard attach-policy ipv6_source_guard_policy
interface Ethernet2/0
ipv6 source-guard attach-policy ipv6_source_guard_policy
interface Ethernet2/1
ipv6 source-guard attach-policy ipv6_source_guard_policy
interface Ethernet2/2
ipv6 source-guard attach-policy ipv6_source_guard_policy
interface Ethernet2/3
ipv6 source-guard attach-policy ipv6_source_guard_policy
interface Ethernet3/0
ipv6 source-guard attach-policy ipv6_source_guard_policy
interface Ethernet3/1
ipv6 source-guard attach-policy ipv6_source_guard_policy
interface Ethernet3/2
ipv6 source-guard attach-policy ipv6_source_guard_policy
interface Ethernet3/3
ipv6 source-guard attach-policy ipv6_source_guard_policy

30	IPv6 Destination Guard policy	Critical	False	False	Successful ✔

Right configuration setting found in:
ipv6 destination-guard policy ipv6_destination_guard_policy

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
31	IPv6 Destination Guard on interface(s) set	Critical	False	False	Successful ✔

Right configuration setting found in:
interface Ethernet0/1
ipv6 destination-guard attach-policy ipv6_destination_guard_policy
interface Ethernet0/2
ipv6 destination-guard attach-policy ipv6_destination_guard_policy
interface Ethernet0/3
ipv6 destination-guard attach-policy ipv6_destination_guard_policy
interface Ethernet1/0
ipv6 destination-guard attach-policy ipv6_destination_guard_policy
interface Ethernet1/1
ipv6 destination-guard attach-policy ipv6_destination_guard_policy
interface Ethernet1/2
ipv6 destination-guard attach-policy ipv6_destination_guard_policy
interface Ethernet1/3
ipv6 destination-guard attach-policy ipv6_destination_guard_policy
interface Ethernet2/0
ipv6 destination-guard attach-policy ipv6_destination_guard_policy
interface Ethernet2/1
ipv6 destination-guard attach-policy ipv6_destination_guard_policy
interface Ethernet2/2
ipv6 destination-guard attach-policy ipv6_destination_guard_policy
interface Ethernet2/3
ipv6 destination-guard attach-policy ipv6_destination_guard_policy
interface Ethernet3/0
ipv6 destination-guard attach-policy ipv6_destination_guard_policy
interface Ethernet3/1
ipv6 destination-guard attach-policy ipv6_destination_guard_policy
interface Ethernet3/2
ipv6 destination-guard attach-policy ipv6_destination_guard_policy
interface Ethernet3/3
ipv6 destination-guard attach-policy ipv6_destination_guard_policy

Other

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
1	Servis PAD disabled (Packet assembler disassembler)	High	False	False	Successful ✔

Right configuration setting found in:
no service pad

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
2	BOOTP server disabled	High	False	False	Successful ✔

Right configuration setting found in:
no ip bootp server

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
3	Finger protocol disabled	High	False	False	Successful ✔
4	HTTP server disabled	High	False	False	Error ✘

Error configuration setting found in:
ip http server

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
5	HTTPS server disabled	High	False	False	Successful ✔
6	TCP small server disabled	High	False	False	Successful ✔
7	UDP small server disabled	High	False	False	Successful ✔
8	IP domain lookup disabled	High	False	False	Successful ✔

Right configuration setting found in:
no ip domain-lookup

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
9	Gratuitous ARPs generation disabled	High	False	False	Successful ✔

Right configuration setting found in:
no ip gratuitous-arps

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
10	Gratuitous ARPs reject enabled	High	False	False	Successful ✔

Right configuration setting found in:
ip arp gratuitous none

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
11	Netflow is disabled	Notice	False	False	Notice !

Error configuration setting found in:
ip flow-export destination 192.168.50.11 100

Fix ignore comment:
By default fix is ignored due to disablement of traffic monitoring. Consider whether port mirroring is neccesary for monitoring

12	Netflow version 9 used	Medium	False	False	Successful ✔

Right configuration setting found in:
ip flow-export version 9

13	Netflow traffic analyze disabled on interface(s)	Notice	False	False	Notice ❗

Error configuration setting found in:
interface Ethernet0/2
ip flow ingress

Found ports with error:
Ethernet0/2

Generated fix:
interface Ethernet0/2
no ip flow ingress
interface Ethernet0/2
exit

Fix ignore comment:
By default fix is ignored due to disablement of traffic monitoring. Consider whether port mirroring is neccesary for monitoring

14	Port mirroring disabled on interface(s)	Notice	False	False	Notice ❗

Error configuration setting found in:
monitor session 1 source interface Et0/2

Fix ignore comment:
By default fix is ignored due to disablement of traffic monitoring. Consider whether port mirroring is neccesary for monitoring

15	Notification on memory IO leak/overflow	Medium	False	False	Error ✘

Generated fix:
exception memory ignore overflow io

16	Notification on memory CPU leak/overflow	Medium	False	False	Error ✘

Generated fix:
exception memory ignore overflow processor

17	Network boot disabled	Medium	False	False	Successful ✔
18	Network config load disabled	Medium	False	False	Successful ✔
19	SCP server enabled	Medium	False	False	Error ✘

Generated fix:
ip scp server enable

20	SCP alias copy instead of TFTP	High	False	False	Successful ✔
21	Protection of configuration deletion	High	False	False	Error ✘

Generated fix:
secure boot config
secure boot-config

Fix notice:
Just one of fixing command is applicable to device. There are more because of different syntax among IOS versions.

22	Archive and log config changes	Medium	False	False	Successful ✔

Right configuration setting found in:
archive
log config
logging enable
notify syslog contenttype plaintext
hidekeys
path unix:
maximum 5
time-period 60
memory reserve critical 1000
memory free low-watermark processor 2000

23	Terminate hanged inbound TCP connection to device	Medium	False	False	Successful ✔

Right configuration setting found in:
service tcp-keepalives-in

24	Terminate hanged outbound TCP connection to device	Medium	False	False	Successful ✔

Right configuration setting found in:
service tcp-keepalives-out

25	Encrypt all saved passwords in configuration	Critical	False	False	Successful ✔

Right configuration setting found in:
no service password-encryption